ISSN 0146-3055

MAY-JUNE 1994
No. 278

The NLM Technical Bulletin

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NLM Online Users' Meeting - MLA 1994: NLM Remarks

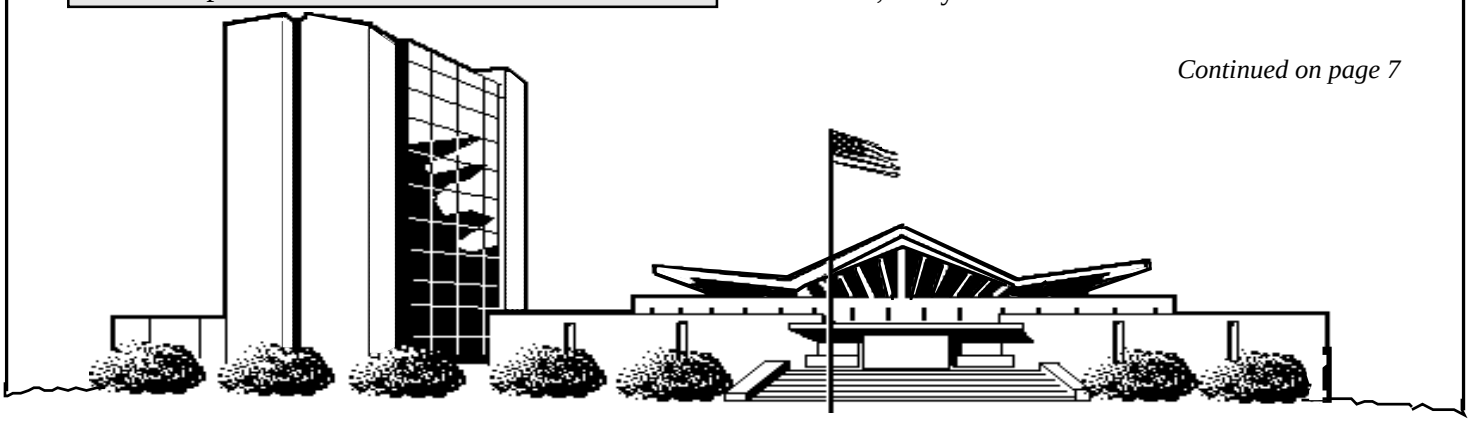
[Editor's Note: This article contains a summary of the presentation given by Sheldon Kotzin, Chief of the Bibliographic Services Division, at the NLM Online Users' Meeting, May 16, 1994, held at the annual meeting of the Medical Library Association (MLA) in San Antonio, Texas. It is followed by questions and answers from the same meeting.]

Introduction

Welcome to the annual NLM Online Users' Meeting. This is NLM's chance to thank you and your MLA colleagues for your continued use of the MEDLARS databases, whether directly from the Library or from other services. This also is our opportunity to bring you up to date on some important new developments relating to the MEDLARS system and DOCLINE. Working closely with NLM's Office of Computer and Communications Systems we are providing more access to MEDLARS data to more users than ever before.

Let me take you back 10 years for comparison. NLM had 3,000 user codes in 1984, most at larger institutions; now there are more than 85,000 user codes. We had 22 databases; today there are more than 40. MeSH existed

Continued on page 7



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES • Public Health Service • National Institutes of Health
National Library of Medicine

NLM TECHNICAL BULLETIN

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The NLM Technical Bulletin is an administrative document sent to formal members of NLM's MEDLARS Online Network.

ELHILL® COMPUTER

MEDLARS® DATABASE	TOTAL RECORDS	DATES COVERED	DATE LAST UPDATED	LATEST UPDATE TAG
AIDSDRUGS	210		18 JUN 94	9405(EM)
AIDSLINE®**	98,254	JAN 80-AUG 94	18 JUN 94	9408(EM)
AIDSTRIALS	600		18 JUN 94	9405(EM)
AVLINE®	27,348	THRU JUN 94	18 JUN 94	
BIOETHICSLINE®	42,249	JAN 73-JUN 94	20 MAY 94	9406(EM)
BIOTECHSEEK	4,752	JAN 90-JUL 94	04 JUN 94	9407(EM)
CANCERLIT®	1,041,540	JAN 63-JUN 94	04 JUN 94	9406(EM)
CATLINE®	731,379	THRU JUN 94	17 JUN 94	
CHEMID	267,994		06 FEB 93	
CHEMLINE®	1,258,634		10 MAR 94	9402(EM)
DENTALPROJ™	786		02 MAY 92	
DIRLINE®	14,831		14 MAY 94	
DOCUSER®	14,067		11 JUN 94	
HEALTH	744,754	JAN 75-JUL 94	04 JUN 94	9407(EM)
HISTLINE®	114,713		18 JUN 94	9404(EM)
HSTAR	1,384,000	1985-AUG 94	18 JUN 94	9408(EM)
MEDLINE®*	1,188,038	JAN 91-AUG 94	18 JUN 94	9408(EM)
MED89	743,883	JAN 89-DEC 90	18 JUN 94	
MED85	1,319,067	JAN 85-DEC 88	30 APR 94	
MED80	1,388,746	JAN 80-DEC 84	11 JUN 94	
MED75	1,278,801	JAN 75-DEC 79	11 JUN 94	
MED66	1,986,294	JAN 66-DEC 74	18 JUN 94	
MESH VOCABULARY FILE®	95,236	1994	18 JUN 94	
NAME AUTHORITY FILE®	550,081		18 JUN 94	
PDQ®		THRU JUN 94	01 JUN 94	
POPLINE®	209,763	1970-JUN 94	04 JUN 94	9406(EM)
SDILINE®	28,896	JULY 94	27 MAY 94	9407(EM)
SERLINE®	83,769	THRU APR 94	11 MAY 94	
TOXLINE®	1,294,022	1981-1994	12 JUN 94	9406(EM)
TOXLINE65	707,146	PRE 1965-1980	30 APR 94	
TOXLIT®	1,295,390	1981-1994	12 JUN 94	9406(EM)
TOXLIT65	586,405	1965-1980	01 SEP 87	

* AIDSLINE: PART 3 OF 5 FOR 9408 (EM) WEEKLY UPDATE
** HSTAR: PART 3 OF 5 FOR 9408 (EM) WEEKLY UPDATE
*** MEDLINE: PART 3 OF 5 FOR 9408 (EM) WEEKLY UPDATE

TOXNET® COMPUTER

CCRIS	5,681		06 JUN 94	
DART™	20,544		08 JUN 94	
EMIC	7,931		09 JUN 94	
EMICBACK	75,886		04 APR 94	
ETICBACK	49,591		04 APR 94	
GENE-TOX	2,960		06 JUN 94	
HSDB®	4,488		17 JUN 94	
IRIS	661		01 JUN 94	
RTECS®	124,403		24 MAY 94	
TRI87	80,136		11 MAY 94	
TRI88	87,151		11 MAY 94	
TRI89	86,812		11 MAY 94	
TRI 90	86,041		05 MAY 94	
TRI91	83,876		12 APR 94	
TRI92	81,075		25 APR 94	
TRIFACTS	326		10 APR 92	

Technical Notes

Resolved Indexing Errors

Some records in NLM databases were recently identified as having serious indexing errors that could be hazardous to human health. The records, listed below with a MEDLINE Unique Identifier (UI) or Secondary Source Identifier (SI) from other data providers, have been corrected online or have been made irretrievable by erasing all their search access points so that the records cannot be retrieved in any MEDLARS search. Users who may have retrieved these citations may want to examine the revised records when available.

The affected records were indexed to CD 2, CD 3 and/or CD 4 photographic color developers rather than a CD antigen term. In all cases, the Chemical Abstracts Registry Numbers (RNs) for a color developer or its free base were erroneously attached to references to articles describing the use of CD antigens for AIDS research. (CD is an acronym used both in the field of immunology to represent "Cluster of Differentiation" of human leukocyte antigens, and in the photographic industry to represent a color developer used to process photographic film). For the NLM-produced records, the short CD phrases were the official chemical names (NMs) for the color developers, and there was no obvious clue to the indexer that "CD" meant "color developer" rather than the immunology concept. Once alerted, NLM immediately changed the short forms to the longer forms (CD 2 color developer, CD 3 color developer, and CD 4 color developer) to prevent any future errors in the MEDLINE indexing flow. NLM corrected all affected MEDLINE, MEDLINE Backfiles, AIDSLINE, HEALTH, DART and HSTAR records. Pending corrections, NLM made affected records in CANCERLIT, TOXLINE and TOXLIT irretrievable for our searchers. All licensees who have received NLM data on tape have been notified and urged to make the same changes NLM has made, or to make the records otherwise irretrievable.

UIs	File(s) with affected record
94135643	MEDLINE, AIDSLINE, SDILINE 9405 (EM)
94043849	MEDLINE, AIDSLINE
93085439	MEDLINE, AIDSLINE, TOXLINE (TOXBIB)
91065737	MED89, CANCERLIT
90305996	MED89
90223534	MED89
90209968	MED89, CANCERLIT
91008036	MED89, CANCERLIT
90318505	MED89, CANCERLIT
90359716	MED89, AIDSLINE, CANCERLIT
88271737	MED85, CANCERLIT
88131022	MED85, TOXLINE, HEALTH, HSTAR

SIs	
IPA/93/03631	TOXLINE
IPA/93/03402	TOXLINE
IPA/91/08613	TOXLINE
IPA/91/05863	TOXLINE
IPA/91/02046	TOXLINE
IPA/91/02045	TOXLINE
IPA/91/02044	TOXLINE
DART/M/90244965	TOXLINE
CA/117/246615D	TOXLIT
CA/117/055944A	TOXLIT
CA/113/090990B	TOXLIT
MED/90244965	DART

DOCUSER Free

Effective April 1, 1994, use of NLM's DOCUSER database is free. Third quarter MEDLARS bills (covering April-June usage, and mailed in July) should reflect no charges for DOCUSER use for that period. The show cost displays were adjusted the weekend of June 11-12.

DOCUSER (DOCument Delivery USER) is the NLM's online database containing descriptive information about libraries and other organizations that use NLM's interlibrary loan services or are a part of the regional document delivery network. It was developed by the NLM Collection Access Section in 1980 to support the DOCLINE System. DOCUSER contains over 12,000 records for libraries located throughout the world and is updated monthly. In the future, the DOCUSER file will be updated weekly with information provided by individual libraries and the RMLs. The quarterly tape update will still be made utilizing the Regional Medical Library membership network database. Any user with a code for searching the MEDLARS system may use

that code to access MEDLINE and then enter the command FILE DOCUSER to access the file.

For additional information about DOCUSER, type EXPLAIN DOCUSER at any ELHILL user prompt. To avoid online character charges, searchers may access file ALERT (which has no character charges) and type EXPLAIN DOCUSER, or consult the DOCUSER chapter (part 28) of the Online Services Reference Manual or Chapter 15 of the DOCLINE Manual. DOCLINE users looking for LIBIDS or other information about borrowing or lending partners should search DOCUSER before calling the NLM DOCLINE Service Desk. If users need assistance searching DOCUSER, however, they may call the DOCLINE Service Desk (800-633-5666) for assistance.

AIDSLINE Additions

The 9407 (EM) update of AIDSLINE that took place on May 7, 1994 included a total of 102 abstracts from the 11th Annual Symposium on Nonhuman Primate Models for AIDS held in 1993. To isolate the 11th Annual Symposium records, at any USER: prompt in AIDSLINE enter:

(si) prim11

Please remember that these citations are to meeting abstracts, not journal articles. The full text of the abstract is online—nothing more can be supplied via interlibrary loan. Papers presented at the meetings may be prepublication; so information regarding subsequent publication or further details, should be directed to the authors. Author affiliation (organization name, city, state, and zip code of where the author was located when the research was performed or where the paper was presented) is provided in the Address (AD) field of the AIDSLINE record.

Changes in NTIS Charges

The National Technical Information Service (NTIS) has changed their shipping and handling charges. The NTIS handling fee is now based on the dollar value of most purchases. Grateful Med still will NOT have a handling fee. A fee chart for other NTIS purchases follows:

Value of Order	Handling Fee
$10.00 or less	$2.00
$10.01-50.00	$4.00
$50.01-100.00	$6.00
Over $100.00	$8.00

An additional charge of $2.00 is applied for countries outside the U.S., Canada, and Mexico.

To see the new handling fees or order documents from NTIS, use the form in Appendix B of this issue of the Technical Bulletin.

Internet-Accessible Resources from the National Library of Medicine Fact Sheet

The National Library of Medicine fact sheet entitled "National Library of Medicine (NLM) Internet-Accessible Resources" is now available from NLM's Office of Public Information. This fact sheet describes services that NLM makes available through basic Internet processes, such as telnet and ftp (file transfer protocol), or through software clients such as gopher for gopher servers and Mosaic for World Wide Web servers. The fact sheet includes NLM e-mail addresses for Internet. Single copies or bulk orders of the fact sheet are available at no charge from:

Office of Public Information
National Library of Medicine
Bethesda, MD 20894
(e-mail: publicinfo@occshost.nlm.nih.gov)

The fact sheet is also available via Internet as a PostScript file that allows printing the fact sheet in its original format.

New Rolodex Card Available from RMLs

A Rolodex card produced by the National Library of Medicine is now available from the National Network of Libraries of Medicine. This two-sided card contains phone numbers, e-mail, ftp, and telnet addresses that may be useful for MEDLARS/TOXNET users. You may contact your Regional Medical Library at 1-800-338-7657 to find out how the cards are being distributed in your region.

Updated Phones List Available

The April 1994 Phone List is now available in multiple formats. Internet users may anonymous ftp these files from nlmpubs.nlm.nih.gov or from gmedserv.nlm.nih.gov. The files are located in the online/medlars/phones directory on the NLM anonymous ftp server and in the /grateful/phones directory on gmedserv. Copies are also available as files from the Grateful Med Bulletin Board System (GM-BBS); directions for downloading can be found in Bulletin 15 on the GM-BBS. Directions for downloading from a PC may also be found in the Grateful Med User's Guide in section 3 on page 28 (page 3-28). If you would prefer a paper copy, mail or fax a request to:

Phones List
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894
Fax: 301-496-0822

1991 Index for the *Technical Bulletin*

The 1991 *NLM Technical Bulletin Index* for No. 258, January 1991 through No. 263, December 1991, is now available. To receive a paper copy, mail or fax a request to:

1991 *Technical Bulletin Index*
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894
Fax: 301-496-0822

The 1992 *Index* for the *NLM Technical Bulletin* was announced in the January-February 1994 issue of the *Technical Bulletin*. It is still available upon request.

Canadian Health Libraries Association Fact Sheet

"The Impact of the Hospital Library," Fact Sheet No. 11 of the Canadian Health Libraries Association (CHLA), is included with this issue of the *Technical Bulletin* as Appendix A. A paper by Dr. Joanne Marshall that describes the study in more detail was published in the Bulletin of the Medical Library Association, 1992 Apr;80(2):169-178. This Fact Sheet has been reproduced for the *Technical Bulletin* with the permission of the Canadian Health Libraries Association.

New Bioethics Consultation Paper Available

The National Reference Center for Bioethics Literature at Georgetown University's Kennedy Institute of Ethics has published Human Gene Therapy, Scope Note 24 of their Scope Note Series. The fifteen-page work provides background information and annotated references to recent literature about the history of gene therapy in the United States. It also describes the procedure of gene therapy (including a brief discussion of techniques involved), lists some of the diseases that may prove amenable to gene therapy, and discusses the ethical issues involved. Arguments both for and against such therapy are cited.

Scope Note 24, by Mary Carrington Coutts, also appears in the Kennedy Institute of Ethics Journal 1994 Mar;4(1):63-83. The separate reprint version, with the complete list of titles in the series, is available for $5.00 prepaid from the Kennedy Institute. Add $3 each for airmail outside North America.

The Scope Note Series offers an overview to topics in biomedical ethics and provides immediate reference to facts, opinions, and law and public policy (if applicable). All sources cited in Scope Notes are included in the collection of the National Reference Center for Bioethics Literature, and may be obtained through its document delivery service (subject to copyright law). Updates to topics covered in the Scope Note Series may be obtained by searching the BIOETHICSLINE database or by calling the National Reference Center for Bioethics Literature. Requests or questions should be directed to:

National Reference Center for
Bioethics Literature
Kennedy Institute of Ethics
Georgetown University
Washington, DC 20057-1065
800-MED-ETHX or 202-687-6738

DSPRINT Correction to March-April 1994 *Technical Bulletin*

The directory example on page 15 of the March-April 1994 *Technical Bulletin* should read as shown in the box below:

The last 5 digits of the dataset name will ALWAYS match the SDIS number (0's drop off the front of a DSID number). The number 01469 was erroneously placed in the sample directory instead of 01775. This error was repeated in the examples on pages 16 and 17 of the same article. Please make the necessary corrections to your copy.

DSID	Dataset-Name	Lines	Chars	Created
1775	DSPRINT.ABC44.DS**01775**	6723	318780	0/3/30/94-14:44:06

Hospital Literature Index Correction to March-April 1994 *Technical Bulletin*

A subscription price ($240.00) was printed on page 6 of the March-April 1994 *Technical Bulletin* for the Hospital Literature Index 1993, Item Number HL-M0940. The information is correct for the Hospital Literature Index **1994** subscription, Item Number HL-M0940, not 1993.

Notice of Mislabeled Volume

It has come to the attention of NLM that copies of book 6 for the 1993 Cumulated Index Medicus have the incorrect year (1994) on the spine. The book correctly contains 1993 information; the error was limited to the binder's artwork for the spine. ❑

Continued from page 1

with 14,000 terms; we now have 18,000 terms with about 85,000 cross references. In 1984, we indexed close to 300,000 articles a year from 3,200 journals; we now index nearly 400,000 articles from 3,800 journals. The MEDLINE file contained 4 million citations; it's now over 7 million.

This expansion in access over the last 10 years means nothing if NLM does not remain totally committed to the creation of databases of the highest quality. We who work on the MEDLARS system, including the indexers whose work makes it possible for users to retrieve citations, hope our products still reflect the tradition begun by Dr. John Shaw Billings more than 100 years ago.

Lower Costs and Increased Access

This year, NLM made some decisions that will once again lower search costs for most users. AIDS-related databases and DIRLINE were made free to users on our system and NLM also eliminated all charges that licensees had to pay the U.S. Government for these files. Let me make this really clear since I have fielded many questions on this subject — no licensee has to pay any data charges for these files or for any usage made by its customers in the United States or abroad. Of course, some overseas users still have to pay local telecommunications charges.

NLM also announced the availability of User ID codes that allow access to the free databases only. To date we have issued more than 450 of these codes that many librarians are using at locations where patrons can walk in and search without generating a bill. In the next year watch for new initiatives in AIDS outreach from NLM.

Several databases are available free on NLM's Locator for users with Internet access. The NLM anonymous ftp server and gopher allow for the ftping of a variety of useful information including various NLM publications, such as the *Technical Bulletin* and Gratefully Yours. The following chapters of the Online Services Reference Manual have also been added to the ftp server: the AIDS databases, DIRLINE, CATLINE, AVLINE, Name Authority, and SERLINE. Within several weeks the ELHILL Searching Chapter will be added. In addition, the List of Serials of Indexed for Online Users has been added, and we expect to put up the List of Journals Indexed in Index Medicus by June. All the chapters are in PostScript format and WordPerfect 5.1. The List of Serials of Indexed for Online Users is available in ASCII as well. These services have improved access, and in many instances have eliminated charges.

Let me speak for a few minutes about some improvements made since last year and give you some information on things to watch for in the year ahead. On January 21, 1994, NLM staff presented new system features and described new databases in our first satellite online update for command-language searchers. More than 1,700 individuals saw the broadcast at 371 locations throughout the country. The overall response to the update was positive.

Some of us had concerns when we instituted a phone mail system more than a year ago for the MEDLARS Service Desk. This was prior to March when we received more than 10,000 calls, nearly 500 calls each weekday. Without phone mail, we could not have kept up. Now routine calls are answered by recorded messages, which frees staff to answer more questions. But, as an alternative to phone calls, I urge you to use Internet or the Grateful Med Bulletin Board if you can. With no increase in staffing anticipated, NLM has to be more creative and versatile in how we provide customer support, and we will be.

Access to MEDLARS Increasing

I am pleased to report that six medical schools, one military library, the NIH Library and one hospital library -- Bronson Hospital in Kalamazoo -- have recently signed NLM fixed-fee agreements. Agreements in principle have been reached with the City of Hope Medical Center in Duarte, CA and Mercy Medical Center in Reading, CA. For one annual fee paid centrally, users at these institutions can access NLM databases via Grateful Med or command language but must use Internet or direct dial.

Some wonder if access to NLM's databases is still increasing with all the other methods of access. It's great to report to you that the MEDLARS staff processed more codes in the first six months of FY 1994 than in all of 1993. It would be a distinct possibility for NLM to reach 100,000 codes by year's end. Even more

astonishing is that output measures such as characters transmitted online, a good measure of how much data users actually receive, is up by 45% over last year. Citations transmitted have increased more than 20% over last year to more than 100 million items retrieved. In large measure, this is due to your efforts to conduct searches, to train new users, and to promote access to medical information.

The Library continues to examine ways to streamline procedures and look at its impact on the environment. It's not a joke that NLM thought it could make an impact on paper reduction by asking NTIS to mail online invoices only four times a year rather than monthly. Your next invoice covering April, May, and June use will be mailed in July. Remember that transaction detail sheets for each month will still be included unless you have a master account.

In April, NLM announced that it discontinued use charges on DOCUSER. DOCLINE users looking for LIBIDs or other information should search DOCUSER before calling the DOCLINE Service Desk. Early this summer, DOCUSER will be updated weekly with information provided by individual libraries and the Regional Medical Libraries. The quarterly tape update will still take place from the RML membership database.

This month, NLM and RML 1 reached an agreement in cooperation with the Health Sciences Libraries Consortium of Pennsylvania to maintain a record of Ariel participants in DOCUSER. This will allow Ariel libraries to provide service to Ariel requesters. Any non-Ariel library receiving a request stating that Ariel service is preferred should fill these requests by mail.

In addition, after a six-month pilot project, NLM has decided to begin providing Ariel service on July 1, 1994. There will be no additional charge for Ariel document delivery service from NLM. However, please play by the rules and don't prefix any Ariel requests to NLM.

New Databases

Now, let me mention the new NLM databases. HSTAR (Health Services/Technology Assessment Research), the health services research citation database, became available in February. For a new database, its usage has been extremely high. It now has more than one million citations. HSTAT (Health Services/Technology Assessment Text), an NLM database providing the full-text of clinical practice guidelines from the Agency for Health Care Policy and Research, was just recently made available. (See the article on page 18 of the March-April 1994 *Technical Bulletin*.) NIH Consensus Statements, NIH Technology Assessments, and other full text documents will be added to HSTAT in the future. HSTAT will be provided free of charge because of an increase in NLM's health services research funding. In an interesting departure from the norm, NLM will make HSTAT available via Grateful Med for users with a modem, by Internet via a direct telnet address, directly by Mosaic, ftp, and on the NLM Gopher.

Another new NLM database is HSRPROJ (Health Services Research Projects), expected to be available early in 1995. It will contain the names of about 1500 research projects, funding agencies, principal investigators, MeSH terms, and abstracts that summarize the goal and study designs of health services research projects.

Lastly, there is SPACELINE, a database being developed from a cooperative effort between NASA and NLM. Due out in late 1994 or early 1995, the database will contain references pertaining to the health of humans in space, the effects of gravity and space biology on living systems, research applications of space flight, and exobiology.

New Capabilities

In another new development, MEDLARS Management Section staff can now send online messages to specific User ID codes when assisting users in searching, in reply to Service Desk calls, and the like. Previously, the staff have never been able to reach out to individual users but could only send a blanket message to all users.

NLM also has a new command, $INFO, that allows users to see information on a variety of topics relating to the NLM computer, databases, ELHILL commands and features. (See page 14 of this issue of the *Technical Bulletin*.) The connect charge for this feature is a mere $0.04 per minute for most databases. Another new command is $INFO UPDATE which will display the MEDLARS databases, total records in each, and date of last updates.

As promised, NLM has greatly increased the maximum number of time "slices" allowed before a TIME OVERFLOW appears. Searchers should notice a big reduction in these messages when STRINGSEARCHing or conducting searches of highly posted terms.

A new command, $DSFILE, was just announced. (See page 13 of the March-April 1994 *Technical Bulletin*.) This command allows users to take online information and immediately ftp it to their local computer via Internet. We think it will be extremely useful for users with frequent offline prints, or large retrieval sets. No longer will you have to wait for pages to be sent in the mail and pay offline print charges. The charge will be based on the online algorithm but the speed results in greatly reduced costs because a complete file is downloaded.

Many of you have asked about Z39.50, the National Information Standards Organization standard that allows a client computer to query a server. NLM is actively investigating ways in which its online services might be made available via Z39.50. In other words, the Library intends to do this. NLM is also working with others who wish to provide access to NLM data to ensure maximum integrity and utility of the information.

What else can I say! It's been a productive year and we look forward to an active year ahead. If you have questions about any of the information described in this text, please call the MEDLARS Service Desk at 1-800-638-8480 or send an Internet message to mms@nlm.nih.gov. ❑

--prepared by Sheldon Kotzin
Chief, Bibliographic Services Division

NLM Online Users' Meeting - MLA 1994: Questions and Answers

Question: Is the National Library of Medicine doing any pre-publication indexing?

Answer: There are three titles indexed from printer galley proofs which come to us from the publishers a week or two before the issue may be available in your library. These journals are the New England Journal of Medicine, the Annals of Internal Medicine, and MMWR. Morbidity and Mortality Weekly Report. If you have a specific citation that you cannot find online, and you think sufficient time has passed for indexed references to have been entered into the database, please call the MEDLARS Service Desk or send an e-mail to mms@nlm.nih.gov. We will double-check the citation and notify the Index Section if there is a problem.

Question: Please tell us more about the ftping of online search results.

Answer: The command used to create these online sets is $DSFILE. A comprehensive article can be found on pages 13-17 of the March-April 1994 *Technical Bulletin*. The $DSFILE command, followed by a PRINT command (standard or tailored), creates an online file of references, and this file is temporarily stored on the NLM ftp server. The searcher can then use Internet to ftp the entire file of references from the NLM computer to his or her personal computer, thus saving connect time (and, therefore, your time) and money when compared to line-by-line downloading of the search results. This is currently a command language feature not available in Grateful Med or TOXNET. The Library changed over to a Virtual Telecommunications Access Method (VTAM) operating system and this has allowed us to provide search enhancements, such as this one, to our searchers. VTAM commands begin with a $ (dollar) sign.

Question: Is the $DSFILE command used to retrieve system information such as EXPLAIN messages?

Answer: The $DSFILE command instructs the NLM computer to redirect the output of the **next command** to the MEDLARS ftp server rather than displaying the output on the screen. $DSFILE was intended to be used in combination with print commands; however, you will find that the command works with any other ELHILL command, such as NEWS, EXPLAIN, DISPLAY (stored search name), etc. $INFO is also a new VTAM command and it allows longer, more detailed explanations of system features to be available online and these files can be updated more quickly than the files retrieved with the EXPLAIN command. [Editor's note: See the article on page 14 of this issue for more information on the $INFO commands.]

Question: Does the BIOTECHSEEK database still exist? Will NLM comment on its proliferation of databases -- how does NLM decide whether to enhance an existing database or develop a new one?

Answer: First, the BIOTECHSEEK file lives! BIOSEEK, the shorthand name, contains references from 29 biotechnology journals not indexed for MEDLINE. It is one of what has been termed the "forgotten files" by one of the RMLs which has begun efforts to promote such databases. These smaller databases are not searched frequently, but they are a rich resource for information that is unavailable in MEDLINE.

New databases are usually started in response to Congressional initiatives when a suitable alternative does not exist. Enhancing MEDLINE is always a considered option, because we know it's the database of choice for over 80% of the searches being done on the whole system. Recommendations about titles to be indexed for Index Medicus and MEDLINE are made by the NIH chartered committee, the Literature Selection Technical Review Committee. Also, some data, like some of the Health Services Research records, don't fit well into the existing fields available in a MEDLINE record, and to change the MEDLINE record to accommodate them would be difficult.

The longer term solution to the number of separate databases is to insulate the user from the physical organization of the data. NLM is working to enhance both the front and back ends of its retrieval system to eventually make file divisions invisible to users. The first incremental improvements in this direction are

likely to address searching across multiple databases to answer AIDS-related questions and health services research questions.

Decisions regarding the creation of new databases are impacted by the demand for particular information and the funding support available. In the case of the AIDS databases or the Health Services Research databases, federally appropriated funds were targeted specifically for those programs.

Question: When can we expect to see the update of the Macintosh Version (2.1) of Grateful Med?

Answer: The National Technical Information Service shipped this update, at no charge, to registered Grateful Med Macintosh users in June. New features include:

- 1994 MeSH terms.
- Improved SAVE/SAVE AS feature.
- Improved printing capability for large numbers of references.

Question: When HSTAR was being developed and tested, was the pool of testers limited to only people with Grateful Med access?

Answer: HSTAR testing was **not** limited to just the Grateful Med users. Command language searchers were involved in the testing and feedback on the new **H**ealth **S**ervices/**T**echnology **A**ssessment **R**esearch (HSTAR) database.

If you are interested in becoming a beta tester, assisting NLM in testing new software, evaluating new databases, looking at changes in our legacy system, or being part of a focus group, please write or fax your request to MEDLARS Management Section or send an e-mail message to mms@nlm.nih.gov. Staff would like to increase the pool of people who have the time to take on these functions and build on the excellent work that was done on the HSTAR testing.

Question: Is there any effort being made to work with the Bureau of the Census and the Department of Health and Human Services (DHHS) to put together a statistical database?

Answer: Data from the Bureau of the Census and the Department of Health and Human Services is available through other sources. Medical statistics from DHHS come from: the National Center for Health Statistics which is currently producing CD-ROMs; the Center for Disease Control (CDC) which is providing access to their statistics through CDC Wonder directly online; the Bureau of Health Professions which can supply data tapes or printouts of statistics on health professionals; and the Health Care Financing Administration for Social Security, Medicare and federal grants to state Medicaid statistics. The Agency for Health Care Policy and Research (AHCPR) has public use data tapes available for purchase from NTIS based on agency surveys, and the agency is in the process of developing CD-ROM products. Each of these agencies is developing systems and mechanisms such as CD-ROMs to distribute the data. NLM has no plans to take these datasets and create a new database.

NLM has developed an in-house computer program, MEDSTATS, to assist Library users in locating print sources of medical statistics that NLM owns in its collection. MEDSTATS points to print sources of statistics but does not provide the actual statistics themselves. MEDSTATS includes references to materials dating from 1914 to the present. The sources must contain statistical information in tabular form, with captions in English to be included. MEDSTATS presents a series of menus from which you make choices that will assist you in defining the particular area and type of statistics you are seeking. MEDSTATS will then provide the bibliographic references that best match the selections you have made. MEDSTATS is only available in-house at NLM and is not yet available to the public.

Question: Is there anything new for Grateful Med that we should know about?

Answer: The PC Version 6.5 update, released in January 1994, contains the following new features:

- Access to the new HSTAR database with an HSTAR Input form screen.
- Another communications module for Internet connection through PC/TCP.
- Updated MeSH vocabulary.
- New MEDLINE Backfile configuration.
- IRIS Input form screens added to the TOXNET list of databanks.

- Searching by Standard Industrial Classification (SIC) codes using the TRI Input form screens.
- New Direct login to TOXNET, giving a listing of all the TOXNET files you can select from.

Question: I sent out an SOS on the MEDLIB-L mailing list recently and the first to respond was NLM's History of Medicine Division. This kind of support is greatly appreciated.

Answer: Thank you. Steve Greenberg, from the History of Medicine Division, attempts to respond to questions on MEDLIB. There are staff in several other sections of NLM, including the Reference Section, scanning the file on a regular basis. I encourage you, if you have specific questions about NLM products, services, policies, to ask us directly -- we'll be glad to do our best to respond to them. This works much better than just putting out a general complaint, criticism, or comment on an Internet mail list or Bulletin Board. The e-mail addresses you need to reach the various Divisions within the Library are published on the back cover of each issue of the *Technical Bulletin*.

Question: Has anything been changed in the NLM computers, so that fewer "continue" prompts are received during a STRINGSEARCH?

Answer: The answer is, yes. There is a noticeable increase in the number of records that may be STRINGSEARCHed before receiving the (X) SCHD (X) QUAL; CONT? (Y/N) prompt and there has been a decrease in the time required to STRINGSEARCH through a given number of citations. The actual number of records that will be searched between prompts and the time it takes to search them will vary depending on how much other work the computer is doing simultaneously for other searchers. It is still good search practice and most cost effective to narrow your retrieval set as much as possible before applying the STRINGSEARCH command.

Question: NLM is showcasing many Internet-based capabilities such as Mosaic, gopher, ftp, Locator and Grateful Med to access its information resources. The proliferation of systems is getting a little confusing. How will users know what systems are appropriate to their needs?

Answer: NLM has an internal group working on an Access Model Project to address precisely that issue. We know there are many kinds of data, many kinds of users and many avenues of access, from Unix workstations on high-speed networks to dumb terminals on slow dial-up lines. We are defining and building the next generation of searching systems now. The goal is to create a flexible client-server environment which will allow us to offer assisted searches in multiple databases to users of varying expertise coming in over different types of access paths. We are working hard to build an integral look and feel at the client end that will help us bridge the machine and software architecture generations while we bring new database servers online.

Question: Is it possible to get more space in your User Profile, so one could save more searches permanently?

Answer: Unfortunately, no. The User ID code profile area was designed to have 6,220 characters available for optimal ELHILL functioning. Of this amount, no more than 200-400 bytes are used for the Profile (User ID code, Password, Page Sizes, Stored Address); the remainder of the characters are used for saved search strategies. The SAVESEARCH function was not intended to be a replacement for the STORESEARCH function.

SAVESEARCH was intended for use with small functional searches unique to a user and not recurring searches that are more applicable to STORESEARCH. It was also intended to be used for transient searches that were to be kept for short periods of time, without using permanent disk space as STORESEARCHes do.

Question: Can NLM process an OCLC tape that contains holdings for a medical library that uses the same OCLC code as the main academic library at the institution?

Answer: The answer is yes. NLM's OCLC/SERHOLD conversion program will process only the bibliographic records that contain NLM title control numbers. The records that do not have title control numbers will be rejected and listed on an exception report which will be sent to the SERHOLD coordinator.

Question: Will NLM look at providing information resources in the area of consumer health, patient literature, etc.?

Answer: Access to consumer health and patient education literature is an important service for hospital and medical center libraries to provide. Prevention and educated consumers are essential to healthcare reform. Although NLM has not had the resources to provide consumer health and patient education information, it continues to look for ways to use the newer technologies to meet this growing need. You may have heard of the recent initiatives in the AIDS information area where the focus will be on consumer based organizations and other non-traditional providers of health information to persons with AIDS, or who are HIV positive. Also HIV-AIDS newsletters are being reviewed to identify important ones to index for AIDSLINE. ❑

New Online Information Commands for ELHILL Searchers

ELHILL searchers may use the new command, $INFO, to obtain information on a variety of topics, including the NLM computer, MEDLARS databases, ELHILL commands and features, and NLM programs and services.

You may enter a $INFO command followed by the topic name at any USER: prompt. Or, enter a $INFO LIST command to display a list of topics currently available with this command. Please note that the data received in response to a $INFO command is sent without interruption, as if you were in PRINT CONTINUOUS mode. Figure 1 displays the computer responses to the $INFO and the $INFO LIST commands as of mid-June. (The $INFO LIST display will change often with updates and new information.) See the following article, on page 17, for a summary chart of all the new $COMMANDS.

YOU ARE NOW CONNECTED TO THE MEDLINE (1991 - 94) FILE.

SS 1 /C?
USER:
$info

The $INFO command is used to retrieve information about ELHILL and MEDLARS programs and services. For a complete list of topics in the $INFO library, type:

$INFO LIST

USER:
$info list

The $INFO command is used to display information on MEDLARS databases, programs and services. To retrieve information on any of the topics listed below, enter $INFO followed by the topic name, e.g.,

$INFO UPDATES to retrieve a list of MEDLARS databases showing the date of last upate and total number of records for each.

$INFO TOPICS:

Topic	Explanation
AHCPR	List of AHCPR Practice Guidelines Overviews
COMMANDS	Information about $ commands
COMPUTER	ELHILL Computer System Configuration
FILES	MEDLARS Databases (brief descriptions)
HELP	To contact MEDLARS Management for assistance
INTL	International MEDLARS Centers
NSABP	Reanalysis of the NSABP (National Surgical Adjuvant Breast and Bowel Projects) Protocols B-06, B-13, and B-14
UPDATES	MEDLARS Databases: Last Update and Record Counts

Figure 1 - $INFO and $INFO LIST Commands

FILE LIST and $DATABASE Commands

Another new command, FILE LIST, displays a list of all MEDLARS files on the ELHILL, TOXNET and PDQ systems.

And the new command, $DATABASE (alias: $DB), displays the database and system to which you are currently connected. For example, the program responds:

```
Database ..... MEDLINE
System(s)..... *ELHILL
```

Figure 2 displays old and new commands that may be used to display information on MEDLARS files:

Command	Information Displayed
With direct login to ELHILL the following occurs:	
FILE	ELHILL file names and current ELHILL file connection
FILES	ELHILL file names and current ELHILL file connection
FILE ?	ELHILL file names and current ELHILL file connection
FILES ?	ELHILL file names and current ELHILL file connection
FILE LIST	All MEDLARS databases (new)
FILES LIST	All MEDLARS databases (new)
Using the ELHILL Gateway to connect to TOXNET and issuing the commands while connected to TOXNET gives the following:	
FILE	TOXNET list with all MEDLARS files
FILES	TOXNET list with all MEDLARS files
FILE ?	TOXNET list with all MEDLARS files
FILES ?	TOXNET list with all MEDLARS files
FILE LIST	All MEDLARS databases (new)
FILES LIST	All MEDLARS databases (new)
$INFO FILES	A brief description of all MEDLARS databases on ELHILL, TOXNET and PDQ systems
$INFO UPDATES	A list of record counts and most recent update dates for all MEDLARS databases on ELHILL, TOXNET and PDQ systems
$DATABASE	Current database and system connection
$DB	Current database and system connection

Figure 2 - Commands Used to Display Information on MEDLARS Files

MEDLARS searchers may access all ELHILL and TOXNET databases via the NLM Search Gateway, using the standard FILE command to change to another database.

Unlike other ELHILL commands, there is no charge for characters sent in response to $INFO and FILE LIST (alias FILES LIST) commands; you are charged only the connect time charge applicable to the database you are currently searching. For most ELHILL databases, including MEDLINE, the connect charge is $0.04 per minute. You do not need to switch into FILE ALERT to save money to read $INFO topics or for FILE LIST commands and information. You will be billed only for the connect time applicable to the current database.

Existing EXPLAINs remain available to online searchers. Type EXPLAIN EXPLAIN for a list of EXPLAIN topics. In ELHILL, change to FILE ALERT before issuing any EXPLAIN commands to save money by avoiding the character charge; TOXNET does not charge for EXPLAIN text characters. Because the new $INFO commands are easier for NLM staff to update and revise with new information, the online EXPLAINs will be reviewed (as staff resources permit) and those EXPLAINs that require updating will be deleted from the EXPLAIN file and revised as $INFO topics. A topic may be covered as both an EXPLAIN and a $INFO topic during this transition. The $INFO version will always be the most up-to-date. We welcome your suggestions on the kind of information you would like to see in this feature. Later this year, we hope to provide menu-driven searching for $INFO topics, making $INFO even easier to use. Look for future articles in the *Technical Bulletin.* ❑

—prepared by Jan Willis
MEDLARS Management Section

$Commands in ELHILL: Quick Reference Chart

A new series of commands, $COMMANDS, are among the features being implemented for ELHILL searchers. $COMMANDS introduced to date are summarized in Figure 1. There is no charge for characters sent online in response to $COMMANDS; there is a charge for characters sent to you via ftp using the $DSFILE command. For more information on these commands, see the articles in the *Technical Bulletin* as noted:

$SET commands	p.1, 8-11	Nov-Dec 1993
$DS commands	p.13-17	Mar-Apr 1994
$INFO commands	p.14-16	this issue ❑

—prepared by Jan Willis
MEDLARS Management Section

General $Commands

$DATABASE [or $DB]
Displays the file to which the searcher is currently connected and indicates a gateway path if pertinent.

$INFO
Introduces $INFO commands.

$INFO LIST
Displays a list of $INFO topics.

$INFO x
Displays information on a specific topic, where x is the name of the topic, e.g., $INFO UPDATES.

$SET
Displays the current settings for printing (PRINT) and translation of diacritics (TRANS).

$TIME
Shows the current time at the NLM computer, and the date and length of time you have been connected to ELHILL.

CONTINUOUS PRINTING Commands

$SET PRINT CONTINUOUS ($SET PRT C)
Sets the session for continuous printing. USE WITH CAUTION: **Displays of data resulting from subsequent PRINT commands cannot be interrupted**; character charges are incurred almost immediately.

$SET PRINT DEFAULT ($SET PRT D)
Sets the session to system default value of receiving CONTINUE PRINTING? prompts, determined by PAGELENGTH set in the User ID code PROFILE.

Figure 1 - $Commands

$SET PRINT n ($SET PRT n)

Sets the session to receive CONTINUE PRINTING? prompts after a set number of lines (equal to n times the PAGELENGTH set in the User ID code PROFILE).

$SET PRINT [CONTINUOUS, DEFAULT, n] SAVE ($SET PRT [C,D,n] SAVE)

Sets continuous print as the permanent print setting. You may override a permanent print command for the current session by a $SET PRT C (or D) command. You must use another $SET PRT x SAVE command to cancel or replace a permanent setting. USE WITH CAUTION.

Diacritical Marks

$SET TRANS NONE

Sets the session to display a colon either preceding a letter to denote a diacritical mark or in place of certain letters (Swedish o or Polish l).

$SET TRANS DEFAULT

Sets the session to receive output displayed without colons for diacritics (ELHILL system default setting) and substituting the English o for the Swedish o and English l for the Polish l.

$SET TRANS NONE SAVE

Sets this and all later ELHILL sessions to display a colon either preceding the letter to denote a diacritic or in place of certain letters (Swedish o and Polish l).

$SET TRANS DEFAULT SAVE

Sets this and all later sessions, so that ELHILL will not display a colon for a diacritic and will substitute the English o for the Swedish o and the English l for the Polish l (ELHILL system default setting).

Search Output Files on the NLM Computer

$DSFILE

Stores the online search output to NLM's MEDLARS ftp file server, so that your next command (presumably a print command) sends the data to NLM's computer (host storage area), making the output available for you to ftp. The last record(s) from the retrieval is shown along with the computer assigned directory and file (dataset) number.

$DSLIST

Lists the file (dataset) ID numbers (DSID) of your files stored on NLM's MEDLARS ftp server under your User ID code for ftp transfer. Auto SDI file names begin with SD; online output file names begin with DS. Messages from MMS begin with MSG. The directory location, file (dataset) number, size, and date/time of creation are shown in response to this command. To display a number of lines from any file, type: $DSLIST file X, where file is the dataset number and X is the number of lines to be displayed. For example type: $DSLIST 1235 10 to view 10 lines of output from DSID 1234.

$DSPURGE

Deletes a file stored on the MEDLARS ftp server. Type: $DSPURGE nnnn, where nnnn is the DSID, e.g., $DSPURGE 0176.

Figure 1 - $Commands cont.

BIOETHICSLINE and HSTAR Added to Automatic SDI Program

The Automatic SDI current awareness program will expand to include service for the BIOETHICSLINE and HSTAR (Health Services/Technology Assessment Research) databases later this summer. SDIs for BIOETHICSLINE will begin bi-monthly production in August 1994 with the 9408 Entry Month (EM) update. HSTAR Automatic SDIs will be produced monthly beginning in September with the 9410 (EM) update. With the addition of these databases, all of the bibliographic databases on the ELHILL computer system, except HISTLINE and BIOTECHSEEK, are now available for the Automatic SDI program.

Anyone with a valid User ID code and password may participate in the Automatic SDI program. Those wishing to add Automatic SDIs for either HSTAR or BIOETHICSLINE should fill out an Automatic SDI Service Request Form (see Appendix A) and mail or fax the completed form to MEDLARS Management. The same form should be used by those wishing to initiate SDI service. Search results from both databases will be available either by mail through the U.S. Postal Service or electronically via ftp over the Internet. SDI results from other files available via ftp include: SDILINE (MEDLINE), AIDSLINE, CANCERLIT, HEALTH, and TOXLINE/TOXLIT. POPLINE will be available in June of this year and AVLINE and CATLINE will be available in July. Currently 26 users are utilizing the ftp of Automatic SDIs capability. See pages 25-33 of the September-October 1993 *Technical Bulletin* for a detailed discussion of ftping Automatic SDIs.

Stored searches to be run against the BIOETHICSLINE database should begin with the letter E followed by the appropriate 3-digit print range. HSTAR stored searches should begin with the letter R, followed by the appropriate 3-digit print range. A list of print ranges and their associated data elements can be found on page 5 of the Automatic SDI Service Request Form (Appendix C). Costs for NLM's Automatic SDI Service for HSTAR and BIOETHICSLINE, shown in the box below, will be the same as for many of the other databases offered in the program:

NLM *OFFLINE* CHARGES for BIOETHICSLINE and HSTAR

Pages	**Per Page for PRT OFFLINE, OFFSEARCH, or Automatic SDIs**	**Per 2,000 Characters Transmitted via ftp*** for Automatic SDIs only**
BIOETHICSLINE & HSTAR	$0.30	$0.10

Offsearches	**Per File**
BIOETHICSLINE & HSTAR	$1.00 (plus page charges)

Automatic SDI Searches	**Per Search**
BIOETHICSLINE & HSTAR	$1.50 (plus page charges or ftp character charges)

***The Internet ftp data charge is applied per unit of 2,000 characters transmitted (a low estimate of how many characters fit on a page of NLM's offline print paper) using the rate of $0.05/1,000 characters from the online pricing algorithm.

NOTES: Non-U.S. online users incur charges under the NLM online pricing algorithm and are charged $2.50 extra on the connect charge (per hour) portion and $0.02/1,000 characters transmitted extra (the equivalent of $5.00/hour). There is a $0.10/page surcharge for offline print pages and a surcharge of $0.10/2,000 characters transmitted via ftp for Automatic SDI Searches.

Please contact the MEDLARS Service Desk for further details.

Phone: 800-638-8480
fax: 301-496-0822
e-mail: mms@nlm.nih.gov ❑

—prepared by Vivian Auld
MEDLARS Management Section

Addition to Open/Closed Indicator (OC) Field Values in CATLINE and AVLINE

The Open/Closed Indicator (OC) field in CATLINE and AVLINE has been used in cataloging records for serials and monographic series to signify whether the publication is open (i.e., ongoing, continuing) or closed (ceased). These values are searchable as "O" for open and "C" for closed, qualified by the mnemonic (OC).

In order to accommodate situations where the publication status cannot be determined with such certainty, NLM has added the value "U" for unknown as a possible value in the Open/Closed Indicator (OC) field. The value "U" for unknown is used when there is no evidence of publication within the last three calendar years but there is no clear indication that the title has ceased.

The Open/Closed Indicator (OC) field in CATLINE and AVLINE is directly searchable using these one-letter values, qualified by the mnemonic (OC).

With this change, for cataloging records for serials and monographic series released to CATLINE and AVLINE after May 1, 1994 (identified as containing a Date of Entry (DA) field greater than 940501), the values used by NLM in the Open/Closed Indicator (OC) field parallel the values for serial publications in the USMARC format fixed field 008, byte 06. The exact correspondence is shown in the box below:

OC Value in CATLINE/AVLINE	USMARC Fixed Field 008/06 for Serials
C (closed)	D (dead)
O (open)	C (current)
U (unknown)	U (unknown)

While the values "O" and "C" in the Open/Closed Indicator (OC) field are also used for works-in-part, cataloging records for multi-part items will rarely, if ever, contain the value "U" because they are by definition finite in nature.

NOTE: At this time, the values used in the Open/Closed Indicator (OC) in SERLINE are not affected by this change. SERLINE records contain only the values "O" and "C" in this field. ❑

—prepared by Marti Scheel
Technical Services Division

Retention Decisions for Classed Serials

In order to maximize shelving space, NLM is currently reviewing the retention policy for serials it collects that are classed in the general classification numbers of the NLM classification scheme or are classed using the Library of Congress classification schedules.

As a result of this review, NLM has begun including certain retention decisions for the classed serials examined for this project in the General Notes (GN) field of the serial cataloging record in CATLINE. Retention notes are also displayed in the serial citations retrieved when CATLINE is searched using NLM Locator, NLM's online public access catalog available via the Internet.

Categories of retention decisions recorded in the General Notes (GN) field in CATLINE include: a) retention of the serial title for the current year or latest edition only; and b) retention of serial issues for a limited number of years (e.g., the current year or latest three years). Figure 1 shows several examples of these notes as they would appear using the PRINT CATALOG CARD (PRT CC) command in an ELHILL search. ❑

—prepared by Alice Jacobs
Technical Services Division

SS 1 /C?
USER:
file cat

PROG:
YOU ARE NOW CONNECTED TO THE CATLINE FILE.

SS 1 /C?
USER:
0069-8938 (is) • Searching on the International Standard Serial Number (IS) field.

PROG:
SS (1) PSTG (1)

SS 2 /C?
USER:
prt cc

PROG:

1
Congressional staff directory. Advance locator for Capitol Hill.
1st- ed.; 1963-
— Mt. Vernon, Va., Congressional Staff Directory.
v.

NLM RETAINS CURRENT YEAR ONLY. • **NLM acquires and retains the current year only.**

Editor: 1963?- C. B. Brownson.
Offered as a pre-publication supplement to Congressional staff directory.
Cover Title:
C. S. D. advance locator.

Figure 1 - CATLINE Records Showing Retention Information with the PRT CC Command

1. United States. Congress 2. Government Agencies - United States - directories I. Brownson, Charles Bruce, 1914- II. Title: C.S.D. advance locator III. Title: Advance locator for Capitol Hill

ISSN 0069-8938 = Congressional staff directory. Advance locator for Capitol Hill.

02NLM: JK 421 C7494
Cit. No. 8006856 (rev)

SS 2 /C?
USER:
0743-0523 (is)

PROG:
SS (2) PSTG (1)

SS 3 /C?
USER:
prt cc

PROG:

1
International acronyms, initialisms & abbreviations dictionary.
1st ed.-
— Detroit, Mich. : Gale Research Co., c1985-
v.

NLM RETAINS LATEST EDITION.
Biennial.
Vol. 1 of each ed. kept up-to-date by periodic supplements, designated as v. 2, with title: New international acronyms, initialisms & abbreviations dictionary.
Portion of title: .
International acronyms, initialisms, and abbreviations dictionary.
Issued in 3 vol.; each vol. separately titled: v. 1, International acronyms, initialisms & abbreviations dictionary; v. 2, New international acronyms, initialisms & abbreviations dictionary; and, v. 3, Reverse international acronyms, initialisms & abbreviations dictionary.
1st ed. preceded by a preliminary edition issued in 1984.

- **NLM retains only the latest edition.**

1. Abbreviations - dictionaries I. Gale Research Company II. New international acronyms, initialisms & abbreviations dictionary III. Reverse international acronyms, initialisms &

Figure 1 - CATLINE Records Showing Retention Information with the PRT CC Command cont.

abbreviations dictionary IV. Title: International acronyms, initialisms, and abbreviations dictionary

ISSN 0743-0523 = International acronyms, initialisms & abbreviations dictionary.

02NLM: P 365 I61
NLM SL: (c.1 REF)
Cit. No. 9207286 (rev)

SS 3 /C?
USER:
1045-456x (is)

PROG:
SS (3) PSTG (1)

SS 4 /C?
USER:
prt cc

PROG:

1
Directory of historical organizations in the United States and Canada.
14th ed.-
— Nashville, Tenn. : AASLH Press, American Association for State and Local History, c1990-
v. : ill.

NLM RETAINS LATEST 3 EDITIONS.
Continues: Directory, historical agencies in North America.

1. History - Canada - directories 2. History - United States - directories 3. Organizations - Canada - directories 4. Organizations - United States - directories I. American Association for State and Local History

ISSN 1045-456X.
ISSN 1045-465X invalid = Directory of historical organizations in the United States and Canada.

02NLM: E 172 D597
NLM SL: (c.1 HMD/REF)
Cit. No. 9103021 (rev)

- **NLM retains the latest three editions.**

Figure 1 - CATLINE Records Showing Retention Information with the PRT CC Command cont.

SS 4 /C?
USER:
0278-372x (is)

PROG:
SS (4) PSTG (1)

SS 5 /C?
USER:
prt cc

PROG:

1
How to find information about companies / by Washington Researchers.
Ed. 1]-
— Washington, D.C. : Washington Researchers, c1979-
v.

NLM RETAINS LAST 3 YEARS.
Annual (irregular).
Has companion publication: How to find business intelligence in Washington.
Vols. for 1983- issued as Washington Researchers business research series ; v. 3.
Vols. for 1985- issued by the Washington Researchers Publishing.
Vol. for 1979 has no edition numbering but constitutes Ed. 1.

• **NLM retains the last 3 years only.**

1. Commerce - United States - directories 2. Government Agencies - United States - directories 3. Information Services - United States - directories I. Washington Researchers II. Washington Researchers Publishing III. Series: Washington Researchers business research series ; v. 3

ISSN 0278-372X = How to find information about companies.

02NLM: HD 2785 H847
NLM SL: (c.1 REF)
Cit. No. 9009333 (rev)

Figure 1 - CATLINE Records Showing Retention Information with the PRT CC Command cont.

New Maintenance System for MEDLARS Citations!

In November 1993, NLM began using a new PC-based software program called MCMS (MEDLARS Citation Maintenance System) to maintain citations in MEDLINE, MEDLINE Backfiles, HEALTH, and BIOTECHSEEK. Citation maintenance is the process by which NLM edits a citation to provide new or changed information or to delete inaccurate information specific to that one citation. These edits include, but are not limited to: correcting a misspelling in an author name, title, or abstract word; adjusting the MeSH Headings or Publication Types assigned; adding commentary links in the CM (Comments) field; enhancing the title of the article with a published erratum or retraction notice; and correcting a dosage error in the online abstract.

MCMS replaces our mainframe citation maintenance program, a line editor with a limited set of validations that checked for MeSH, Publication Types, and the presence of required fields. MCMS is a full-screen forms editor containing all the validation tables built into the Library's online Automated Indexing Management System (AIMS). Now, any time a citation is maintained for any reason, all fields are validated against the current validation tables for AIMS. This has implications for searching, particularly in regard to main heading/subheading combinations. Now, when citations are maintained, main heading/subheading combinations that may have been acceptable in the past must be replaced with their current equivalents; previously acceptable main heading/subheading combinations will not be allowed to remain in a record. This is consistent with what has been occurring all along with the indexing of gaps (missing articles or journal issues). These articles have always been indexed using current MeSH vocabulary and validations, and have been identifiable both by their EM (Entry Month) and DA (Date of Entry into the system) values.

Searching Implications

In general, it is NLM policy not to reindex citations as the vocabulary changes. When MCMS must be used, for instance to add comment or errata linkages, only those changes are added that are required to correct AIMS validation errors. NLM has always advocated using a search strategy that includes current indexing practice, as well as previous indexing rules, all the way back through MED66 in order to retrieve any citations indexed from journal issues that were gaps, and to cover any effects of reorganizing the Backfiles by date of publication of a journal issue, rather than the date of indexing. With the new MCMS, there is yet another reason to use a search strategy that incorporates current indexing practice even when searching older data.

Listed below are types of indexing changes that the Indexing Section Quality Assurance Unit staff see as a result of the MCMS use of current indexing rules.

Types of Changes in Allowable Subheadings for a MeSH Term Over Time:

1. Introduction of a precoordinated MeSH term that replaces a MeSH/subheading combination which then may have subheadings attached to it.

EXAMPLE:

LEG/injuries has been replaced by the MeSH precoordinated term **LEG INJURIES**. Therapy for leg injuries would be indexed as LEG INJURIES/therapy. When maintaining a citation that contains the LEG/injuries combination, the /injuries subheading must be removed from the heading LEG and the newer heading of LEG INJURIES added with appropriate subheadings.

2. Sets of precoordinated terms added to citations through Year-End Processing tasks while retaining original main heading/subheading combinations.

EXAMPLE:

Organ transplantation terms, such as **LIVER/transplantation** (old version) and **LIVER TRANSPLANTATION** (current version) added through a Year- End Processing task (see p. 11-12 of the September-October 1991 issue of the *Technical Bulletin*) may appear together in a citation. When maintaining one of these citations in MCMS, the old main heading/subheading version must now be deleted in order to update the citation.

Note: Year-End Processing for the annual changes made largely due to the MeSH Vocabulary does not require the

use of current indexing rules. While the majority of corrected records result from Year-End Processing changes, between three and four thousand records are maintained via the MCMS each month. The majority of this maintenance involves adding comment linkages or augmenting title information to include references to published erratum notices.

3. Generation of specific MeSH terms to cover a main heading/subheading combination.

EXAMPLE:

PSYCHOMOTOR AGITATION/chemically induced became **AKATHISIA, DRUG-INDUCED**. Whenever the former combination exists in a citation, it must be changed to the latter in order to save other changes to the citation.

4. Introduction of the Allowable Qualifier (AQ) field which enabled subheadings to be assigned to individual terms rather than whole subcategories.

EXAMPLE:

SUBSTANCE ABUSE/legislation exists in a number of citations in the MEDLINE Backfiles. However, the subheading "legislation" is no longer valid for this main heading so the concept must be indexed differently now—**SUBSTANCE ABUSE** with an appropriate subheading such as **/prevention & control**, **/rehabilitation**, **/therapy,** etc. with the appropriate legislation main heading, e.g., **LEGISLATION, MEDICAL**. This type of change must be made when maintaining records using the MCMS.

5. More specific subheadings became available.

EXAMPLE:

CHROMOSOMES/cytology is now indexed as **CHROMOSOMES/ultrastructure** because chromosomes are subcellular elements. In these instances, the subheading must be changed as appropriate when maintaining a record using the MCMS.

6. When the subheading /chemistry became available, it was assigned in place of /analysis for the majority of terms in Categories A and B.

EXAMPLE:

LIVER/analysis is now indexed as **LIVER/ chemistry**. MCMS requires the change from /analysis to /chemistry whenever a Category A or B term with /analysis is on a record being edited.

Processing of Terms with RN (CAS Registry/EC Number) Field in MED75

The RN field was added to MEDLINE citations in indexing year 1980. During that period, journals with publication dates of 1978 and 1979 were still being processed, so the RN field is an acceptable data element for citations in MED75. MCMS has been programmed to provide CAS Registry Numbers/Enzyme Commission Numbers and their corresponding Name of Substance (NM) values for appropriate MeSH terms when they occur in a citation. This means that RN values will be added to citations with a publication date of 1975 onward when they are maintained. The RN data element will not be added to records in MED66, as it is not a valid data element for that file.

Identification of Citations Maintained Via MCMS

The LR (Last Revision Date) field contains the most recent date of maintenance to a citation. Citations bearing LR dates of 931101 onward have been maintained through MCMS. Checking the LR date may help to resolve confusion when looking at citations in the MEDLINE Backfiles and wondering why some terms appear and others do not.

MCMS as a Prototype

NLM would like to acknowledge the contributions of Natalie Arluk from the NLM Office of Computer and Communications Systems (OCCS), the lead programmer in the development of MCMS. The prototype for MCMS is the BCMS (BIOETHICS Citation Maintenance System) which was implemented in Entry Month 9108 for creating and editing records for the BIOETHICSLINE database. MCMS itself is also considered a prototype because the MeSH validation component is a newly incorporated feature not found in the BCMS. There are a number of new databases being developed and some in existence, such as AIDSLINE and HISTLINE, which are expected to use MCMS-like modules to add and maintain citations in the future. ❑

—prepared by Nancy Selinger
Index Section

Foreign Surcharge: Pricing Changes

Foreign users, as non-U.S. taxpayers, pay a surcharge that represents their proportional share of the costs of creating the databases. The surcharge has been calculated using one of two methods. The first method, used primarily by online services, employed an algorithm which was based on connect time, number of characters transmitted, and citations printed offline. The second method, used by CD-ROM vendors, was a flat annual charge. Until January 1, 1993, the flat rate was $25.00 per single user product distributed and $50.00 per concurrent user for a networked product. Beginning in January, CD-ROM vendors of products that were being used on networks could no longer pay a flat annual rate based on concurrent users; the online algorithm was applied to networked CD-ROM products. The surcharge for a single user, non-networked product remained $25.00 a year.

A year has passed since NLM modified the way the foreign surcharge was calculated and the Library has recently reviewed the impact of the modification. As a result of this review NLM is implementing several changes in the foreign surcharge effective **October 1, 1994.** These will affect all Licensees in foreign countries, Licensees whose computers are outside the U.S., and Licensees who provide information products or services outside the U.S.

• The online algorithm for calculating the surcharge is being reduced by 25%; the algorithm will remain $2.50 per connect hour, $0.02 per 1,000 characters transmitted and $0.02 per citation printed offline. The 25% reduction will be deducted from the sum of these charges;

• Licensees distributing networked systems using CD-ROMs or other storage media which serve **25 or fewer** concurrent users may calculate the foreign surcharge either by using the online algorithm with the 25% reduction **or** by using $200.00 per concurrent user. Those systems serving more than 25 concurrent users must use the algorithm;

• The foreign surcharge for a single user, non-networked CD-ROM product will be increased from $25.00 to $50.00; and

• Licensees providing an online service which accommodates **25 or fewer** concurrent users may calculate the foreign surcharge by using the algorithm with the 25% reduction **or** by using $200.00 per concurrent user.

It is NLM's intent that these changes will benefit all users of Licensees' products and services and simplify the calculation of the foreign surcharge for many Licensees, while collecting the creation costs proportional to the foreign use. ❑

—prepared by Lois Ann Colaianni
Associate Director, Library Operations

National Library of Medicine Data Leasing Program

The National Library of Medicine (NLM) is announcing the release of its revised "License Agreement to Lease NLM Databases." This license, dated April 1, 1994, supersedes the previous license last revised February 1991. A copy of the license is included as Appendix C. Existing licensees will not be asked to sign the new license. However, please note that the terms of the new license are binding upon publication in the *Technical Bulletin*, as per the license.

In general, the new license addresses terms and conditions that have been in practice but not clearly defined under the old license. The intent of the new license is to minimize restrictions on usage for licensees or users of licensees' products and services. The following are highlights of the new license:

1. Licensees may download MEDLARS data from NLM for reuse rather than receive the data on magnetic tape.

2. The current fee policy is reflected in the license. To summarize, the NLM license fees are for data only; there are no usage fees. A foreign surcharge does apply in certain circumstances, however. (Please refer to the 1994 Pricing Schedule , published as Appendix L in the September-October 1993 issue of the *Technical Bulletin* for detailed information about license fees and the announcement of changes effective October 1, 1994 on page 27 of this issue. It is expected that the 1995 Pricing Schedule will be published in the July-August 1994 *Technical Bulletin*.)

3. References to Level One and Level Two users reflected in the old license have been eliminated.

4. Licensees may redistribute MEDLARS data on floppy disk or other media, in addition to online or CD-ROM. The restrictions on allowable media formats for redistribution have been lifted.

5. Direct, specific permission from NLM is not needed for users of licensees' products or services to reuse data obtained from licensees as long as the licensee informs its users of certain clauses in the NLM license. These clauses pertain to quality assurance issues, copyright, and usage reports. If you are interested in reusing MEDLARS data from licensees' versions of the databases, contact the licensee for permission, not NLM. If foreign use is anticipated, the Licensee is responsible for reporting the usage and forwarding the payment to NLM.

6. Reference is made to use of trademark symbols and naming products in a fashion that distinguishes them from NLM-produced databases.

7. Leased copies of the Technical Services databases, the MeSH Vocabulary File and personal use MEDLINE data do not have to be destroyed in the event the data are no longer leased.

8. The Quality Assurance section of the license remains unchanged.

If you have any questions concerning the license, please contact: Mr. Sheldon Kotzin, Chief, Bibliographic Services Division, National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20894 (e-mail: kotzin@nlm.nih.gov).

Currently, there are approximately 80 MEDLARS licensees, 60 of whom lease MEDLINE. Formally recognized International MEDLARS Centers, commercial enterprises, and academic institutions are among our licensees. The licensees make MEDLARS data available within their own organizations and also in the marketplace via online systems, CD-ROM products and floppy disk products. Most licensees receive the data on magnetic tape; however, downloading from MEDLARS is permissible. NLM is investigating alternative methods for distributing our leased data, such as ftp, CD-ROM (without search software) and 8mm or 4mm tape.

If you are interested in learning more about the data leasing program, and in receiving a packet of information, including a fee schedule, please write to:

Ms. Jane L. Rosov
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894
e-mail: jane_rosov@qmgate.nlm.nih.gov ❑

—prepared by Jane Rosov
MEDLARS Management Section

SERIALS UPDATE

INDEXED TITLES UPDATED, MARCH-APRIL 1994

The following titles cited in MEDLINE and HEALTH, have recently been selected for indexing, undergone a title change, or ceased publication. This list is not cumulative; the information provided is only for titles whose status has changed since the last UPDATE.

More detailed information may be found in SERLINE. For further information, please contact MMS or Ms. Esther Baldinger, (301) 496-1276, Technical Services Division, NLM.

TITLES SELECTED FOR INDEXING, MARCH-APRIL 1994

IM ACP JOURNAL CLUB
ACP J CLUB
114,SUPPL. 1 JAN/FEB 1991—
AMERICAN COLLEGE OF PHYSICIANS
PHILADELPHIA PA UNITED STATES
SUPPLEMENT TO: ANNALS OF INTERNAL MEDICINE.
INDEXING BEGAN WITH V120SU1,JAN-FEB 1994.
ZW 1 A185 1056-8751
SR0070319 JC: B1Y

IM ADVANCES IN NEUROIMMUNOLOGY
ADV NEUROIMMUNOL
1,1991—
PERGAMON
OXFORD ENGLAND
PUBLISHER VARIES: VOL. 1 (1991) MANCHESTER UNIVERSITY PRESS. FREQUENCY VARIES.
INDEXING BEGAN WITH V4N1,1994.
W1 AD684G 0960-5428
SR0070282 JC: B0X

IM ARCHIVOS DE BRONCONEUMOLOGIA
ARCH BRONCONEUMOL
1,1964?—
SOCIEDAD ESPANOLA DE NEUMOLOGIA Y CIRUGIA TORACICA
MADRID SPAIN
FREQUENCY VARIES. IMPRINT VARIES.
INDEXING BEGAN WITH V30N1,JAN 1994.
W1 AR659B 0300-2896
A63600000 JC: B0Y
EDICIONES DOYMA S.A.,TRAVESERA DE GRACIA
17-21 2A PLANTA,08021 BARCELONA,SPAIN

IDL ATLAS OF THE ORAL AND MAXILLOFACIAL SURGERY CLINICS OF NORTH AMERICA
ATLAS ORAL MAXILLOFAC SURG CLIN NORTH AM
1N1,MAR 1993—
SAUNDERS
PHILADELPHIA PA UNITED STATES
EACH ISSUE HAS ALSO A DISTINCTIVE TITLE.
INDEXING BEGAN WITH V1N1,1993.
W1 AT562F 1061-3315
SR0075355 JC: B0I

IM BAILLIERES CLINICAL NEUROLOGY
BAILLIERES CLIN NEUROL
1,1992—
BAILLIERE TINDALL
LONDON ENGLAND
SPINE TITLE: NEUROLOGY.
INDEXING BEGAN WITH V1N1,1992.
W1 BA46EN 0961-0421
SR0072197 JC: B0Z
BAILLIERE TINDALL,24-28 OVAL ROAD,LONDON NW1 7DX,ENGLAND

IM CANADIAN JOURNAL OF ONCOLOGY
CAN J ONCOL
1,1991—
RODAR PUBLISHING
BAIE D URF QUEBEC CANADA
INDEXING BEGAN WITH V4N1,1994.
W1 CA597J 1183-2509
SR0073925 JC: B01

IM CELL TRANSPLANTATION
CELL TRANSPLANT
1,1992—
PERGAMON
ELMSFORD NY UNITED STATES
INDEXING BEGAN WITH V1N1,1992.
W1 CE1283G 0963-6897
SR0072004 JC: B02

TITLES SELECTED FOR INDEXING, MARCH-APRIL 1994

IM CHROMOSOME RESEARCH
CHROMOSOME RES
1N1,MAY 1993—
RAPID COMMUNICATIONS OF OXFORD
OXFORD ENGLAND
AN INTERNATIONAL JOURNAL ON THE MOLECULAR, SUPRAMOLECULAR AND EVOLUTIONARY ASPECTS OF CHROMOSOME BIOLOGY.
INDEXING BEGAN WITH V1N1,MAY 1993.
W1 CH994G 0967-3849
SR0075622 JC: B03
RAPID COMMUNICATIONS OF OXFORD LTD,THE OLD MALTHOUSE - PARADISE STREET,OXFORD OX1 1LD,ENGLAND

IM COMPUTERS AND CHEMISTRY
COMPUT CHEM
1,1976—
PERGAMON PRESS
OXFORD ENGLAND
INDEXING BEGAN WITH V18N1,1994.
W1 CO457RI 0097-8485
C36220000 JC: B04

IM CURRENT OPINION IN LIPIDOLOGY
CURR OPIN LIPIDOL
1N1,FEB 1990—
CURRENT SCIENCE
PHILADELPHIA PA UNITED STATES
EACH ISSUE ALSO HAS A DISTINCTIVE TITLE.
INCLUDES A SECTION CALLED: BIBLIOGRAPHY OF THE CURRENT WORLD LITERATURE.
INDEXING BEGAN WITH V5N1,1994.
W1 CU799GFL 0957-9672
SR0066401 JC: B05
CURRENT SCIENCE LTD.,20 NORTH THIRD STREET,PHILADELPHIA PA 19106

INI EUROPEAN JOURNAL OF CANCER CARE (ENGLISH LANGUAGE EDITION)
EUR J CANCER CARE (ENGL)
1,1991/92—
BLACKWELL SCIENTIFIC PUBLICATIONS
OXFORD ENGLAND
OFFICIAL JOURNAL OF THE EUROPEAN ONCOLOGY NURSING SOCIETY. PUBLISHED: LONDON, ENGLAND: MARSTON BOOK SERVICES, 1991 OXFORD, ENGLAND: BLACKWELL SCIENTIFIC PUBLICATION 1992- . ISSUED ALSO IN FRENCH, GERMAN, ITALIAN, AND SPANISH. NLM COLLECTS ONLY THE ENGLISH LANGUAGE EDITION.
INDEXING BEGAN WITH V2N1,1993.
W1 EU72BAH 0961-5423
SR0072097 JC: BZX

IDL EUROPEAN JOURNAL OF CANCER. PART B, ORAL
IM ONCOLOGY
EUR J CANCER B ORAL ONCOL
28N1,JUL 1992—
PERGAMON PRESS
OXFORD ENGLAND
COVER TITLE: EJC. ORAL ONCOLOGY. SPINE TITLE: EUROPEAN JOURNAL OF CANCER. ORAL ONCOLOGY. IN JULY 1992, SEPARATED FROM: EUROPEAN JOURNAL OF CANCER, ADOPTING PART OF ITS VOLUME NUMBERING.
INDEXING FOR IDL BEGAN WITH V28N1,1992.
INDEXING FOR IM BEGAN WITH V30N1,1994.
W1 EU72BAD 0964-1955
SR0074509 JC: BMV

IM EXPERIMENTAL DERMATOLOGY
EXP DERMATOL
1,1992—
MUNKSGAARD
COPENHAGEN DENMARK
FREQUENCY VARIES.
INDEXING BEGAN WITH V1N1,1992.
W1 EX502C 0906-6705
SR0072478 JC: B06

IM GASTROINTESTINAL ENDOSCOPY CLINICS OF NORTH AMERICA
GASTROINTEST ENDOSC CLIN N AM
1,1991—
W.B. SAUNDERS
PHILADELPHIA PA UNITED STATES
EACH ISSUE HAS ALSO A DISTINCTIVE TITLE.
INDEXING BEGAN WITH V4N1,1994.
W1 GA459L 1052-5157
SR0071697 JC: B07
W.B. SAUNDERS,625 WALNUT STREET,PHILADELPHIA PA 19106-3399

HLI HEALTHCARE FACILITIES MANAGEMENT SERIES
HEALTHC FACIL MANAG SER
MAY 1992—
AMERICAN SOCIETY FOR HOSPITAL ENGINEERING OF THE AMERICAN HOSPITAL ASSOCIATION
CHICAGO IL UNITED STATES
CONTINUES: TECHNICAL DOCUMENT SERIES, WHICH IS NOT IN THE NLM COLLECTION.
INDEXING BEGAN WITH 1993.
ON ORDER
SR0076855 JC: BZ1

TITLES SELECTED FOR INDEXING, MARCH-APRIL 1994

IM HEART DISEASE AND STROKE
HEART DIS STROKE
1N1,JAN/FEB 1992—
AMERICAN HEART ASSOCIATION
DALLAS TX UNITED STATES
INDEXING BEGAN WITH V1N1,JAN-FEB 1992.
W1 HE654L 1058-2819
SR0072152 JC: B08
AMERICAN HEART ASSOCIATION, 7272 GREENVILLE AVENUE,DALLAS TX 75231-4596

IM INFECTIOUS AGENTS AND DISEASE
INFECT AGENTS DIS
1,1992—
RAVEN PRESS
NEW YORK NY UNITED STATES
INDEXING BEGAN WITH V1N1,1992.
W1 IN406HKP 1056-2044
SR0071316 JC: B09
RAVEN PRESS,1185 AVE. OF THE AMERICAS,NEW YORK NY 10036

INI JOURNAL OF CLINICAL NURSING
J CLIN NURS
1,1992—
BLACKWELL SCIENTIFIC PUBLICATIONS
OXFORD ENGLAND
INDEXING BEGAN WITH V3N1,1994.
W1 JO5893U 0962-1067
SR0072100 JC: BZZ

IM JOURNAL OF MAGNETIC RESONANCE. SERIES B
J MAGN RESON B
101,1993—
ACADEMIC PRESS
SAN DIEGO CA UNITED STATES
CONTINUES IN PART: JOURNAL OF MAGNETIC RESONANCE, WHICH IS NOT IN THE NLM COLLECTION.
INDEXING BEGAN WITH V103N1,1994.
W1 JO748DC 1064-1866
SR0076368 JC: B1A
ACADEMIC PRESS INC.,JOURNAL PROMOTION DEPARTMENT,1250 SIXTH AVE.,SAN DIEGO CA 92101

INI JOURNAL OF NURSING MANAGEMENT
J NURS MANAG
1,1993—
BLACKWELL SCIENTIFIC PUBLICATIONS
OXFORD ENGLAND
INDEXING BEGAN WITH V1N1,1993.
W1 JO797CG 0966-0429
SR0075729 JC: BZY

IM JOURNAL OF TRAUMATIC STRESS
J TRAUMA STRESS
1,1988—
PLENUM
NEW YORK NY UNITED STATES
INDEXING BEGAN WITH V7N1,JAN 1994.
W1 JO966PT 0894-9867
SR0061477 JC: B1B

IM MOLECULAR AND CELLULAR NEUROSCIENCES
MOL CELL NEUROSCI
1N1,AUG 1990—
ACADEMIC PRESS
SAN DIEGO CA UNITED STATES
INDEXING BEGAN WITH V5N1,1994.
W1 MO195B 1044-7431
SR0066405 JC: B1D
ACADEMIC PRESS INC,1250 SIXTH AVENUE,SAN DIEGO CA 92101

IM NATURAL TOXINS
NAT TOXINS
1,1992—
WILEY-LISS
NEW YORK NY UNITED STATES
INDEXING BEGAN WITH V1N1,1992.
W1 NA806P 1056-9014
SR0071462 JC: B1E

IM NEUROIMAGING CLINICS OF NORTH AMERICA
NEUROIMAGING CLIN N AM
1N1,SEP 1991—
W.B. SAUNDERS COMPANY
PHILADELPHIA PA UNITED STATES
SPINE TITLE: NEUROIMAGING CLINICS.
INDEXING BEGAN WITH V4N1,FEB 1994.
W1 NE328GL 1052-5149
SR0072476 JC: B1F
W.B. SAUNDERS COMPANY,CURTIS CENTER,INDEPENDENCE SQUARE WEST,PHILADELPHIA PA 19106-3399

TITLES SELECTED FOR INDEXING, MARCH-APRIL 1994

IM ONLINE JOURNAL OF CURRENT CLINICAL TRIALS
ONLINE J CURR CLIN TRIALS
1992 DOC NO 1—
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
WASHINGTON DC UNITED STATES
SYSTEM REQUIREMENTS: IBM PC OR COMPATIBLE; 2 TO 4MB RAM; DOS 3.3 AND MICROSOFT WINDOWS 3.0 TO 3.1; EGA, VGA, OR SVGA GRAPHICS MONITOR, 2,400-9,600 BPS MODEM, 1.5MB MEMORY, OPTIONAL MOUSE. ISSUED ALSO IN PRINTED FORM AND IN AN ANNUAL MICROFICHE. INDEX AND TABLE OF CONTENTS UPDATED WITH EACH ISSUE.
INDEXING BEGAN WITH DOC. NO. 1,1992.
W1 ON277 1059-2725
SR0072704 JC: BZC
ONLINE JOURNAL OF CURRENT CLINICAL TRIALS, 1333 H ST NW,WASHINGTON DC 20005

IM PLANT AND CELL PHYSIOLOGY
PLANT CELL PHYSIOL
1N1,1959—
JAPANESE SOCIETY OF PLANT PHYSIOLOGISTS
KYOTO JAPAN
INDEXING BEGAN WITH V35N1,1994.
IN PROCESS 0032-0781
SR0054944 JC: B1G
JAPANESE SOCIETY OF PLANT PHYSIOLOGISTS, OGAWA HIGASHI IRU,SHIMODACHURI DOORI, KAMIGYOKU,KYOTOSHI,KYOTOFU 602,JAPAN

IM QUALITY ASSURANCE
QUAL ASSUR
1N1,OCT 1991—
ACADEMIC PRESS
SAN DIEGO UNITED STATES
INDEXING BEGAN WITH V1N1,OCT 1991.
W1 QU158KD 1052-9411
SR0074193 JC: B1H
ACADEMIC PRESS INC.,JOURNALS DIVISION, 1250 SIXTH AVENUE,SAN DIEGO CA 92101

IM SANTE
SANTE
1,1990?—
JOHN LIBBEY EUROTEXT
MONTROUGE FRANCE
RUNNING TITLE: CAHIERS SANTE. IMPRINT VARIES: UREF, VOLS. 1-2 (1990-1992); JOHN LIBBEY EUROTEXT, VOL.3 (1993)- .
INDEXING BEGAN WITH V4N1,1994.
W1 SA8172 1157-5999
SR0073456 JC: B1I
JOHN LIBBEY EUROTEXT,6 RUE BLANCHE,92120 MONTROUGE,FRANCE

IM SEIZURE
SEIZURE
1,1992—
BAILLIERE TINDALL
LONDON ENGLAND
JOURNAL OF THE BRITISH EPILEPSY ASSOCIATION.
INDEXING BEGAN WITH V1N1,MAR 1992.
W1 SE26I 1059-1311
SR0072483 JC: B1J
ACADEMIC PRESS - 1250 SIXTH AV,SAN DIEGO CA 92101

IM SUPPORTIVE CARE IN CANCER
SUPPORT CARE CANCER
1,1993—
SPRINGER INTERNATIONAL
BERLIN GERMANY
OFFICIAL JOURNAL OF THE MULTINATIONAL ASSOCIATION OF SUPPORTIVE CARE IN CANCER.
INDEXING BEGAN WITH V1N1,JAN 1993.
W1 SU695 0941-4355
SR0075345 JC: B1L

IM TRANSPLANTATION SCIENCE
TRANSPLANT SCI
1,1991—
R.G. LANDES
AUSTIN TX UNITED STATES
INDEXING BEGAN WITH V4N1,1994.
W1 TR235PQ
SR0073283 JC: B1M
R.G. LANDES COMPANY,P.O. BOX 4858,AUSTIN TX 78765

IM TRENDS IN MICROBIOLOGY
TRENDS MICROBIOL
1N1,APR 1993—
ELSEVIER TRENDS JOURNALS
CAMBRIDGE ENGLAND
INDEXING BEGAN WITH V1N1,APR 1993.
W1 TR341CT 0966-842X
SR0075374 JC: B1N

TITLE CHANGES, MARCH-APRIL 1994

INI ADVANCES IN WOUND CARE
ADV WOUND CARE
7,1994—
S-N PUBLICATIONS
DUNDEE IL UNITED STATES
THE JOURNAL FOR PREVENTION AND HEALING.
CONTINUES: DECUBITUS.
INDEXING BEGAN WITH V7N1,JAN 1994.
ON ORDER
SR0080333 JC: BZW

IM CESKA GYNEKOLOGIE
CESKA GYNEKOL
59N1,FEB 1994—
CESKA LEKARSKA SPOLECNOST J. E. PURKYNE
PRAHA CZECH REPUBLIC
JOURNAL OF THE: CESKA GYNEKOLOGICKA A PORODNICKA SPOLECNOST. CONTINUES: CESKOSLOVENSKA GYNEKOLOGIE.
INDEXING BEGAN WITH V59N1,FEB 1994.
W1 CE688
SR0080584 JC: B0N

IDL CESKA STOMATOLOGIE
CESKA STOMATOL
94,1994—
CESKA LEKARSKA SPOLECNOST J. E. PURKYNE
PRAHA CZECH REPUBLIC
JOURNAL OF: STOMATOLOGICKA SPOLECNOST.
CONTINUES: CESKOSLOVENSKA STOMATOLOGIE.
INDEXING BEGAN WITH V94N1,JAN 1994.
W1 CE76 1210-7891
SR0080585 JC: B0P

IM COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY. BIOCHEMISTRY AND MOLECULAR BIOLOGY
COMP BIOCHEM PHYSIOL BIOCHEM MOL BIOL
107,1994—
PERGAMON PRESS
OXFORD ENGLAND
CONTINUES: COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY. B: COMPARATIVE BIOCHEMISTRY.
INDEXING BEGAN WITH V107,1994.
W1 CO435IG
SR0080752 JC: B1P

IM COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY. PHARMACOLOGY, TOXICOLOGY AND ENDOCRINOLOGY
COMP BIOCHEM PHYSIOL PHARMACOL TOXICOL ENDOCRINOL
107,1994—
PERGAMON
OXFORD ENGLAND
CONTINUES: COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY. C: COMPARATIVE PHARMACOLOGY AND TOXICOLOGY.
INDEXING BEGAN WITH V107N1,JAN 1994.
W1 CO435IH
SR0080707 JC: B1O

HLI HEALTH MANAGEMENT TECHNOLOGY
HEALTH MANAG TECHNOL
VOL. 15, NO. 1 (JAN. 1994)-
ARGUS BUSINESS
ATLANTA GA UNITED STATES
CONTINUES: COMPUTERS IN HEALTHCARE.
INCLUDES ANNUAL MARKET DIRECTORY AND OTHER SPECIAL ISSUES.
INDEXING BEGAN WITH V15N1,JAN 1994.
W1 HE413QD 1074-4770
SR0080315 JC: BZV

IM INTERNATIONAL JOURNAL OF CLINICAL PHARMACOLOGY AND THERAPEUTICS
INT J CLIN PHARMACOL THER
32,1994—
DUSTRI-VERLAG
MUNCHEN GERMANY
SUPPLEMENTS ACCOMPANY SOME ISSUES.
CONTINUES: INTERNATIONAL JOURNAL OF CLINICAL PHARMACOLOGY, THERAPY, AND TOXICOLOGY.
INDEXING BEGAN WITH V32N1,JAN. 1994.
W1 IN766DJM
SR0080533 JC: B0D

IM JOURNAL OF ACCIDENT AND EMERGENCY MEDICINE
J ACCID EMERG MED
11N1,MAR 1994—
BLACKWELL SCIENTIFIC PUBLICATIONS
OXFORD ENGLAND
CONTINUES: ARCHIVES OF EMERGENCY MEDICINE.
ON ORDER 1351-0622
SR0080688 JC: B0U

IM JOURNAL OF LIPID MEDIATORS AND CELL SIGNALLING
J LIPID MEDIAT CELL SIGNAL
9N1,FEB 1994—
ELSEVIER SCIENCE
AMSTERDAM NETHERLANDS
CONTINUES: JOURNAL OF LIPID MEDIATORS.
INDEXING BEGAN WITH V9N1,FEB 1989.
W1 JO745KM 0929-7855

TITLE CHANGES, MARCH-APRIL 1994

SR0080809 JC: B1W

HLI JOURNAL OF LONG TERM HOME HEALTH CARE
J LONG TERM HOME HEALTH CARE
13N1,WINTER 1994—
SPRINGER PUBLISHING COMPANY
NEW YORK NY UNITED STATES
CONTINUES: PRIDE INSTITUTE JOURNAL OF LONG TERM HOME HEALTH CARE.
INDEXING BEGAN WITH V13N1,WINTER 1994.
IN PROCESS 0743-5088
SR0080664 JC: B0S

IM JOURNAL OF QUALITY IN CLINICAL PRACTICE
HLI J QUAL CLIN PRACT
VOL. 14, ISSUE 1 (MAR. 1994)-
BLACKWELL SCIENTIFIC PUBLICATIONS ON BEHALF OF THE AUSTRALIAN COUNCIL ON HEALTHCARE STANDARDS AND THE AUSTRALIAN MEDICAL ASSOCIATION
HAMILTON AUSTRALIA
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W1 CO881 0010-8901
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INDIANAPOLIS IN UNITED STATES
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INDEXING BEGAN WITH V2N1,SUMMER 1991.
W1 MI33P 1048-499X
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APPLETON AND LANGE
EAST NORWALK CT UNITED STATES
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W1 NU551 0897-7437
SR0064635 JC: A1A

APPENDIX A

Canadian Health Libraries Association
Association des bibliotheques de la sante du Canada

FACT SHEET NO. 11*

THE IMPACT OF THE HOSPITAL LIBRARY

In a recently completed scientific study, **97%** of the 208 participating physicians said that information provided by their hospital library contributed to ***better informed clinical decisions.*** A combination of 15 urban and rural hospitals in the Rochester, New York area took part in the study.

As a result of the information provided by the library, **80%** of the physicians said that they ***handled some aspect of the care of their patients differently*** than they would have handled it otherwise.

The following **changes** in specific aspects of patient care were reported by the physicians as a result of the information provided by the library:

	Per cent of physicians reporting change
Diagnosis	29%
Choice of tests	51%
Choice of drugs	45%
Reduced length of hospital stay	19%
Changed advice given to the patient	72%

Physicians also said that the information provided by the library contributed to their ability to avoid the following:

	Per cent of physicians reporting ability to avoid
Hospital admission	12%
Patient mortality	19%
Hospital acquired infection	8%
Surgery	21%
Additional tests or procedures	49%
Additional outpatient visits	26%

On average, physicians rated the information provided by the library more highly than other information sources such as diagnostic imaging, lab tests and discussions with colleagues.

The study was funded by the Hospital Library Services Program which is administered in the Rochester area by the Rochester Regional Library Council. An additional Research and Development Grant was received from the Medical Library Association. The study received the support of the Medical Society of the County of Monroe and the Seventh District of the Medical Society of the State of New York.

* This fact sheet is based on results of *The Impact of Information on Clinical Decision-making Study* conducted in the Rochester area between September 1990 and March 1991. A paper describing the study in more detail is being prepared for submission to the **Bulletin of the Medical Library Association**. For further information contact: Dr. Joanne Marshall, Research Director, Faculty of Library and Information Science, University of Toronto, 140 St. George St., Toronto, ON Canada M5S 1A1. (416)978-4664

Issued with **BMC 13(2), 1991.** This fact sheet may be copied with acknowledgement.
P. O. Box 434, Station K, Toronto, Ontario M4P 2G9
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Appendix B, pages 39 and 40, is the NTIS Order Form which is not available in electronic format.

Appendix C (pages 41-45), the NLM Automatic SDI Service Request Form, is available for ftp on the NLM anonymous ftp server (nlmpubs.nlm.nih.gov) in the online/medlars/sdi directories and the form is called sdi_form.wp..

Appendix D, pages 47-52, the National Library of Medicine License Agreement to Lease NLM Databases in Machine-readable Form is not available in electronic form.

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Bethesda, MD 20894 (FAX 301-496-0822)

NLM Internet Directory

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Gopher Assistance:	admin@gopher.nlm.nih.gov
History of Medicine Division:	hmdref@nlm.nih.gov
Interlibrary Loan (ILL)/DOCLINE:	ill@nlm.nih.gov
International Programs Office:	hsieh@nlm.nih.gov
MeSH Heading Suggestions:	meshsugg@nlm.nih.gov
National Center for Biotechnology Information (NCBI):	info@ncbi.nlm.nih.gov
National Information Center on Health Services Research and Health Care Technology (HSTAR/HSTAT):	nichsr@nlm.nih.gov
Office of Public Information:	publicinfo@occshost.nlm.nih.gov
Planning and Evaluation Office:	siegel@nlm.nih.gov
Reference Section:	ref@nlm.nih.gov
Toxicology Information Program:	toxmail@tox.nlm.nih.gov

NLM Internet Access

TELNET	
MEDLARS, PDQ & TOXNET:	medlars.nlm.nih.gov
Locator:	locator.nlm.nih.gov
HSTAT:	text.nlm.nih.gov
FTP	
MEDLARS Server:	medlars.nlm.nih.gov
NLM Anonymous Server:	nlmpubs.nlm.nih.gov
TOOLS	
Mosaic (WWW):	http://www.nlm.nih.gov/
Gopher:	gopher.nlm.nih.gov

NLM PHONE NUMBERS: MEDLARS Service 800-638-8480 Public Information 800-272-4787

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